

UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of: Reinhard Hering et al
Application Number: Unassigned
Filing Date: Concurrently Herewith
Group Art Unit:
Examiner:
Title: WASHING METHOD FOR A DISHWASHER, AND
DISHWASHER FOR CARRYING OUT ONE SUCH
METHOD

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

JP 7 313435 A discloses a method to suppress the occurrence of a deficiency in drying tableware, etc., even when drying operation is temporarily interrupted by remeasuring a drying cumulative time from the point of time when an interruption and restart signal generator outputs a drying least-significant-digit signal when the temperature detected by a temperature sensor is lower than a reference temperature set below a drying heating temperature.

DE 199 34 121 A1 discloses that a cleaning process (F21) includes a pre-wash (F1) and at least one rinse (F22, F23) for dishes and cutlery before a drying process (F3). During the rinse fresh water is introduced into a wash tub and heated to reach a temperature set inside the tub. The drying process ensures water is drained from the tub by triggering suction extractors for steam trapped in the tub.

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FR 2 138 626 A2 discloses a dishwasher having a thermostat wherein the thermostat is operable to cause energization of an air heater 14 in response to a drop in the crockery drying temperature to a predetermined lower temperature T_1 , whereupon the air heater 14 provides heated drying air until it is deenergized when a temperature T_2 is reached. This cycle of energization and de-energization of the air heater 14 continues until the door 12 of the dishwasher is opened.

FR 2 504 002 A3 discloses that in order to reduce the consumption of water and energy without impairing the cleaning result, a crockery washing method is proposed, according to which the washing liquid, which flows into the washing container during the rinsing of the regenerated ion exchanger and is enriched with proportions of hardener and salt, can be pumped off out of the washing container to a large extent prior to the prerinsing or cleaning operation, and a programme section, precleaning and main cleaning, proceeding in several stages, partially replaces or improves the known programme sections, prerinse, dilute, intermediate rinse, whilst saving water and energy.

CH 691 344 A5 discloses a control unit and the dishwashing machine or appliance has a control unit with an operating panel having a main selection button (3) and 2 auxiliary selection buttons (13,33), respectively used for cyclic selection of a number of main programs indicated via a display (5-8) and for selection of a number of different variants for the main program.

DE 101 22 182 A1 discloses a method and the method involves adapting the program depending on the period of time for which the door (T) of the dishwasher (G) is open. The drying time can be reduced depending on the door opening time. The heating regulation can be adapted depending on the door opening time. The times of opening and closing the door are signaled by an optical and/or acoustic indicator. AN Independent claim is also included for the following: a dishwasher with a device for automatically opening and closing the door and a dishwasher with at least one optical and/or acoustic indicator.

EP 0 269 917 A2 discloses that for improving the drying of the dishes in an energy saving manner at low equipment cost, it is proposed that the quantity of clear rinsing water, to which a rinsing agent is added, is heated to a temperature of 50 to 55 DEG C and is circulated via the spray devices for application to the dishes, that the quantity of clear rinsing water is pumped off from the washing container after the temperature of the clear rinsing water has been reached, and that the heating is then operated in cycles until a drying temperature of about 60 to 65 DEG C is reached.


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JP 7 227374 A discloses a method to assuredly dehumidify the inside of a drying chamber without consuming power wastefully by a method wherein, when the door is opened during a dehumidification, the opened time for the door is judged, and when the opened time is long and the humid air in the drying chamber is sufficiently discharged to the outside, a dehumidification accompanying the closing of the door after that is stopped.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted


Russell W. Warnock

June 8, 2005

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Approved through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

(Use as many sheets as necessary)

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Application Number	Unassigned
Filing Date	Herewtith
First Named Inventor	Reinhard Hering et al
Art Unit	
Examiner Name	
Attorney Docket Number	2002P01300WOUS

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		JP 7-313435 A	12-05-1995	Rinnai Corp.		
		DE 199 34 121 A1	02-10-2000	Silvano Fumagalli		
		FR 2 138 626 A	01-05-1973	Robert Bosch Hausger		
		FR 2 504 002 A3	10-22-1982	Walter Heissmeier et al		
		CH 691 344 A5	07-13-2001	Ingo Gav et al		
		DE 101 22 182 A1	11-14-2002	Doris Reiss		

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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Sheet 2

of 2

Application Number	Unassigned
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U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US-			
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0 269 917 A2	06-08-1988	Eiermann, Ruediger		
		EP 0 505 684 A2	09-30-1992	Premoli, Marcello		✓
		JP 7-227374 A	08-29-1995	Onishi Katsuji et al		
		International Search Report for PCT/EP2003/013042				✓

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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